



MERCHANDISE DISPLAY

Use this section to answer the following questions:

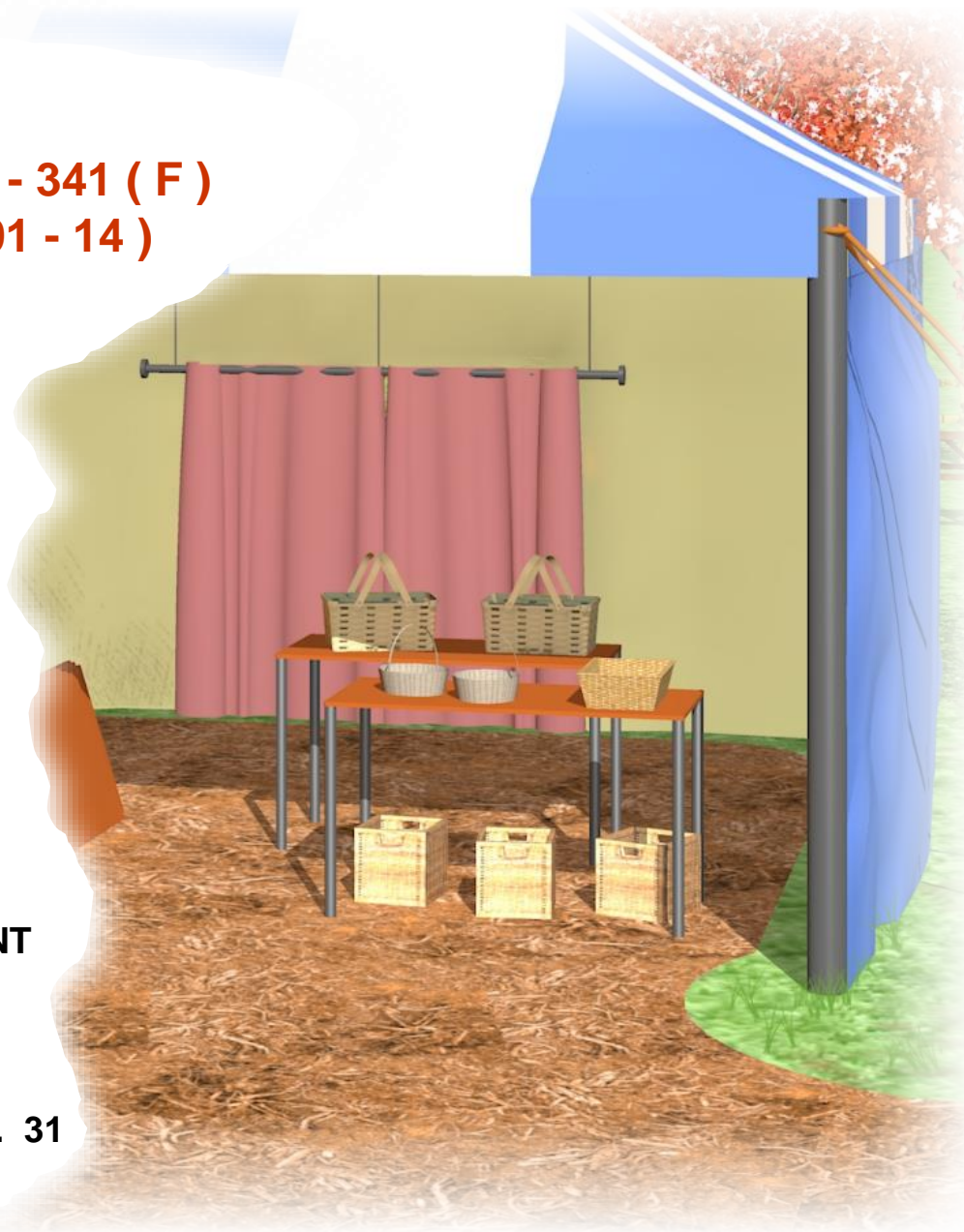
- ... May two tents, both 400 sq. ft. or less, both displaying books and magazines be erected 2 feet from each other ?
- ... May a gas-fueled car be displayed under a tent 400 sq. ft. or less ?
- ... Are there special rules for liquid-fueled lawnmowers displayed in a tent in excess of 400 sq. ft. ?



MERCHANDISE DISPLAY

Amendment; LSA Doc. # 13 - 341 (F)
675 IAC 22 - 2.5 (eff. 12 - 01 - 14)

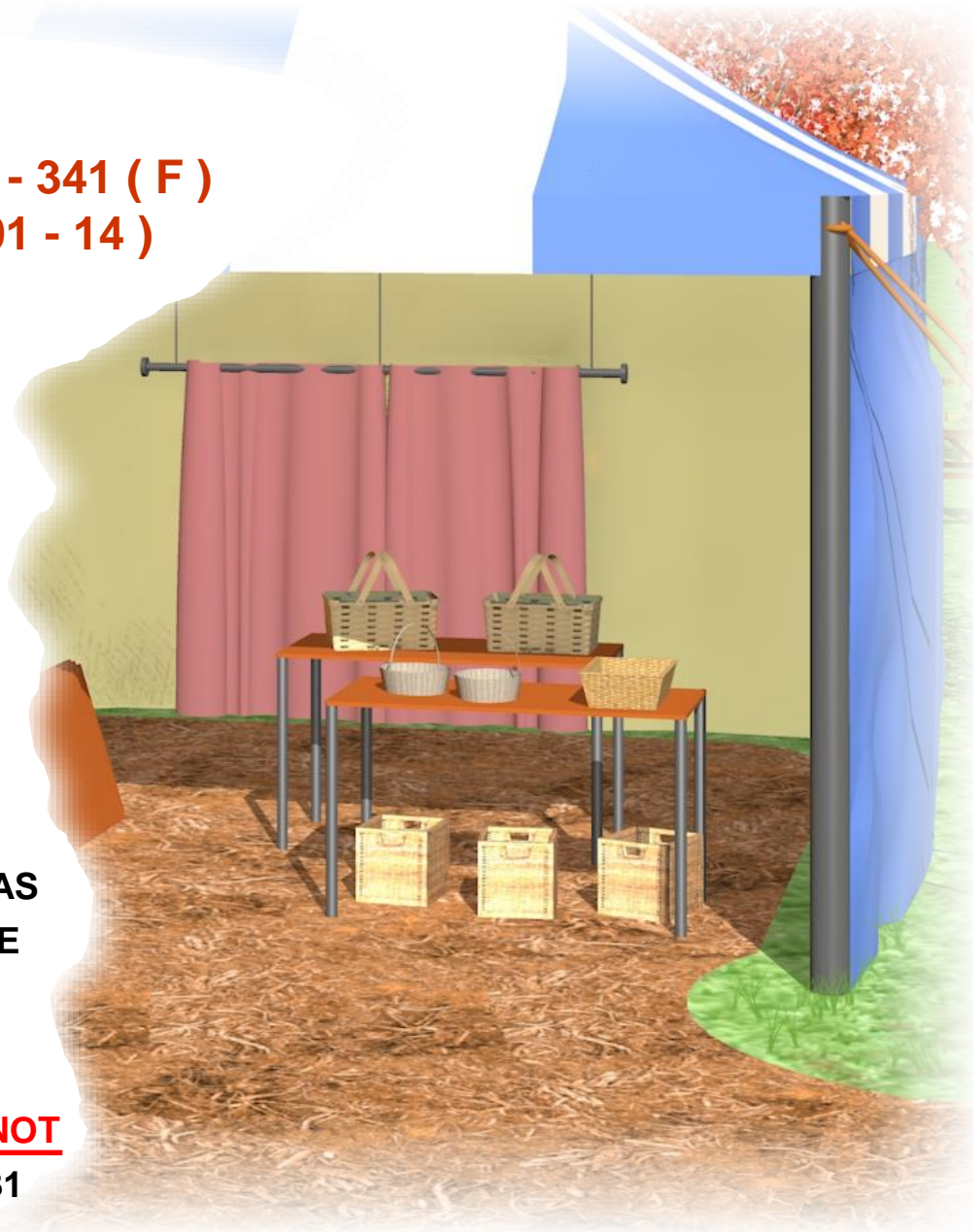
- THIS SCENARIO IS A “SCOPE” TENT; 400 SQ. FT. OR LESS
- WITH MERCHANDISE DISPLAY INSIDE THE TENT
- DUE TO THE SIZE OF THIS TENT AND THE ACTIVITY INSIDE THE TENT
- THE *SCOPE* IS THE ONLY APPLICABLE CODE SECTION IN CH. 31



MERCHANDISE DISPLAY

Amendment; LSA Doc. # 13 - 341 (F)
675 IAC 22 - 2.5 (eff. 12 - 01 - 14)

- THE 3 CODE SECTIONS AMENDED IN THE *SCOPE* ARE 3104.7, 3104.15.5 AND 3104.15.6
- THESE 3 CODE SECTIONS PERTAIN TO OPEN OR EXPOSED FLAME AND / OR COOKING
- THE ACTIVITY INSIDE THIS TENT HAS NOTHING TO DO WITH OPEN FLAME AND / OR COOKING, THEREFORE,
- DUE TO THE WAY THE *SCOPE* HAS BEEN WRITTEN, THIS TENT DOES NOT HAVE TO MEET ANYTHING IN CH. 31



SUMMARY: the following code sections govern this scenario

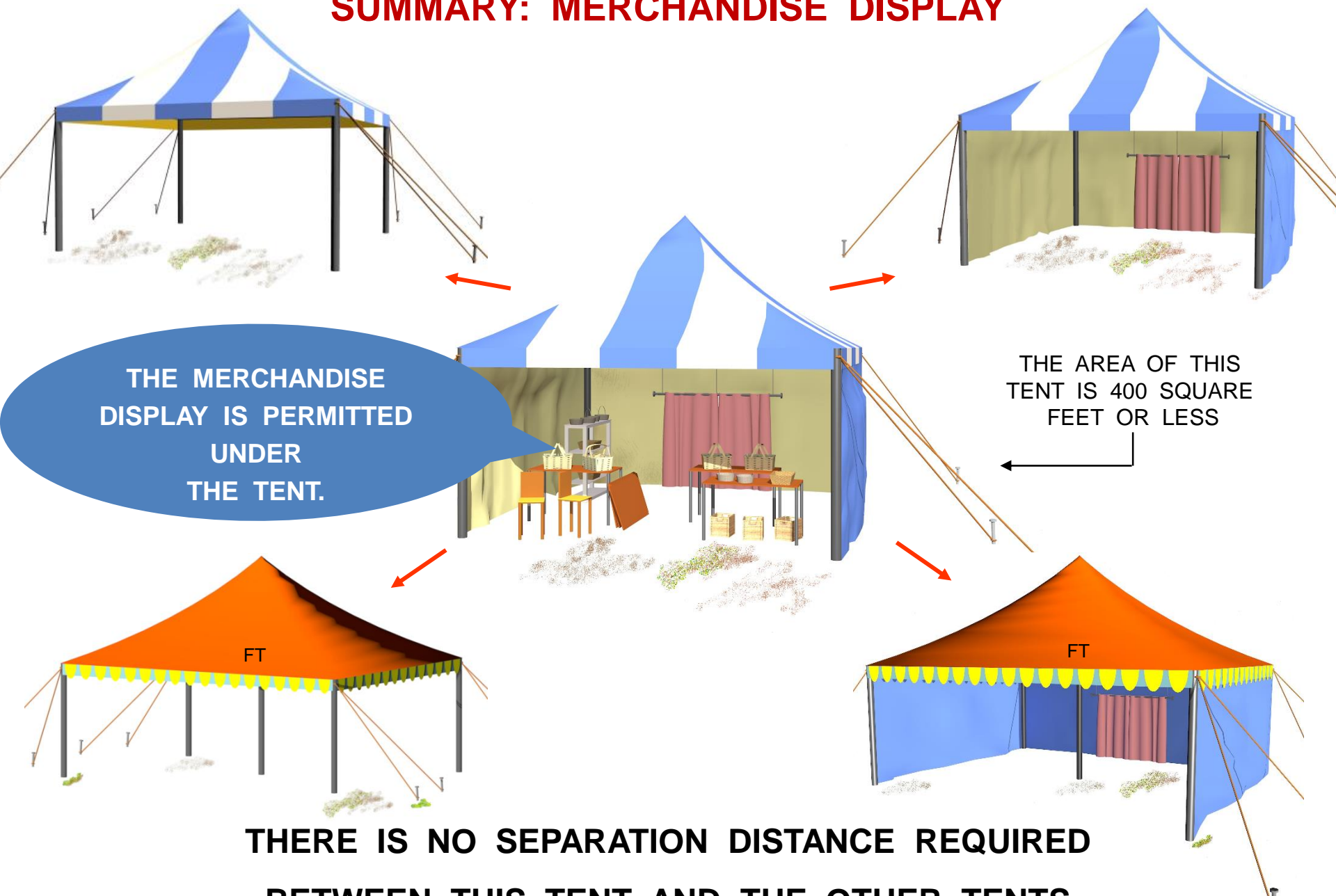
■ **Sec. 3101.1 – Scope**

THIS IS THE ONLY CODE
SECTION THAT APPLIES IN CH. 31.



MERCHANDISE DISPLAY
UNDER A “SCOPE” TENT

SUMMARY: MERCHANDISE DISPLAY

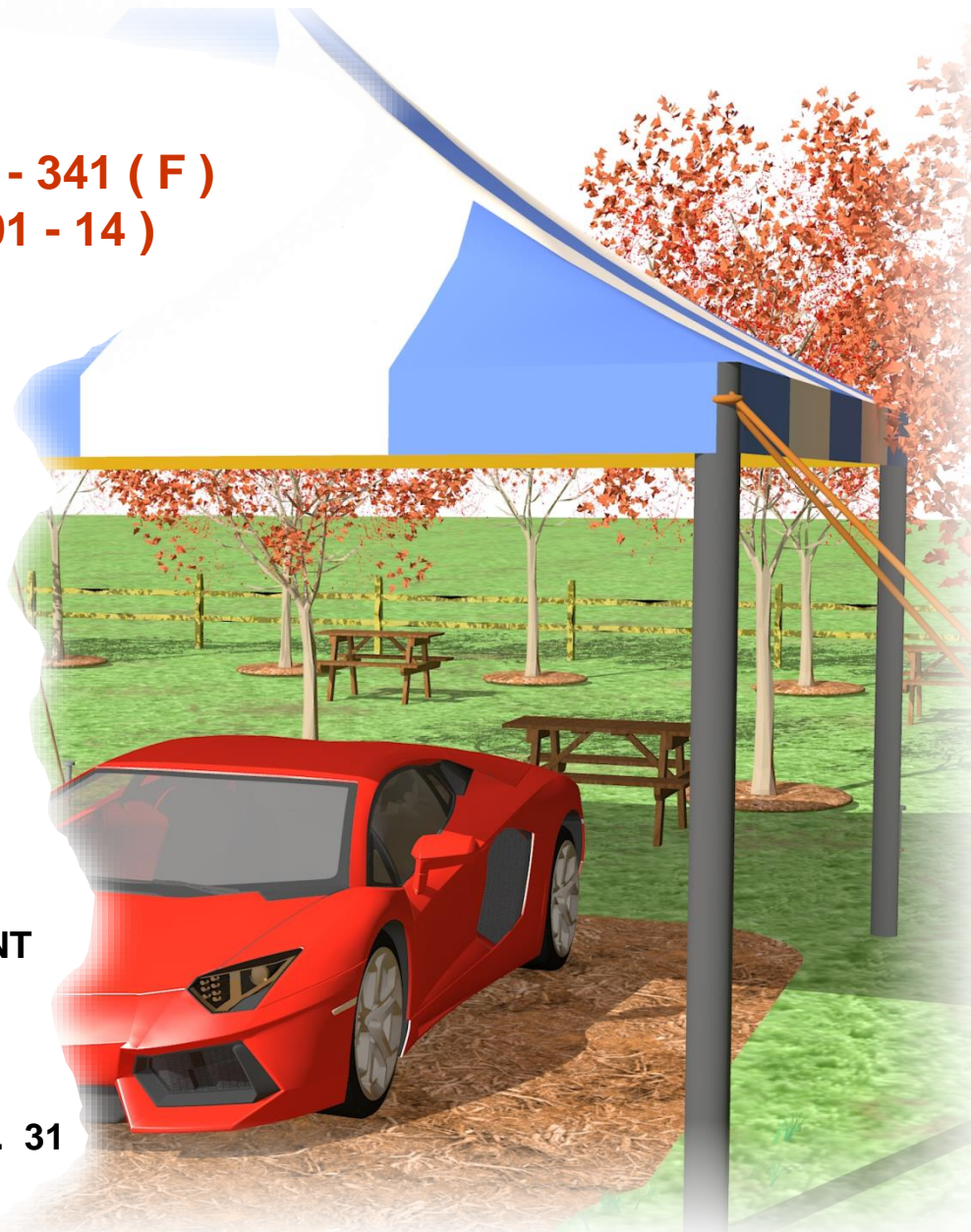




MERCHANDISE DISPLAY

Amendment; LSA Doc. # 13 - 341 (F)
675 IAC 22 - 2.5 (eff. 12 - 01 - 14)

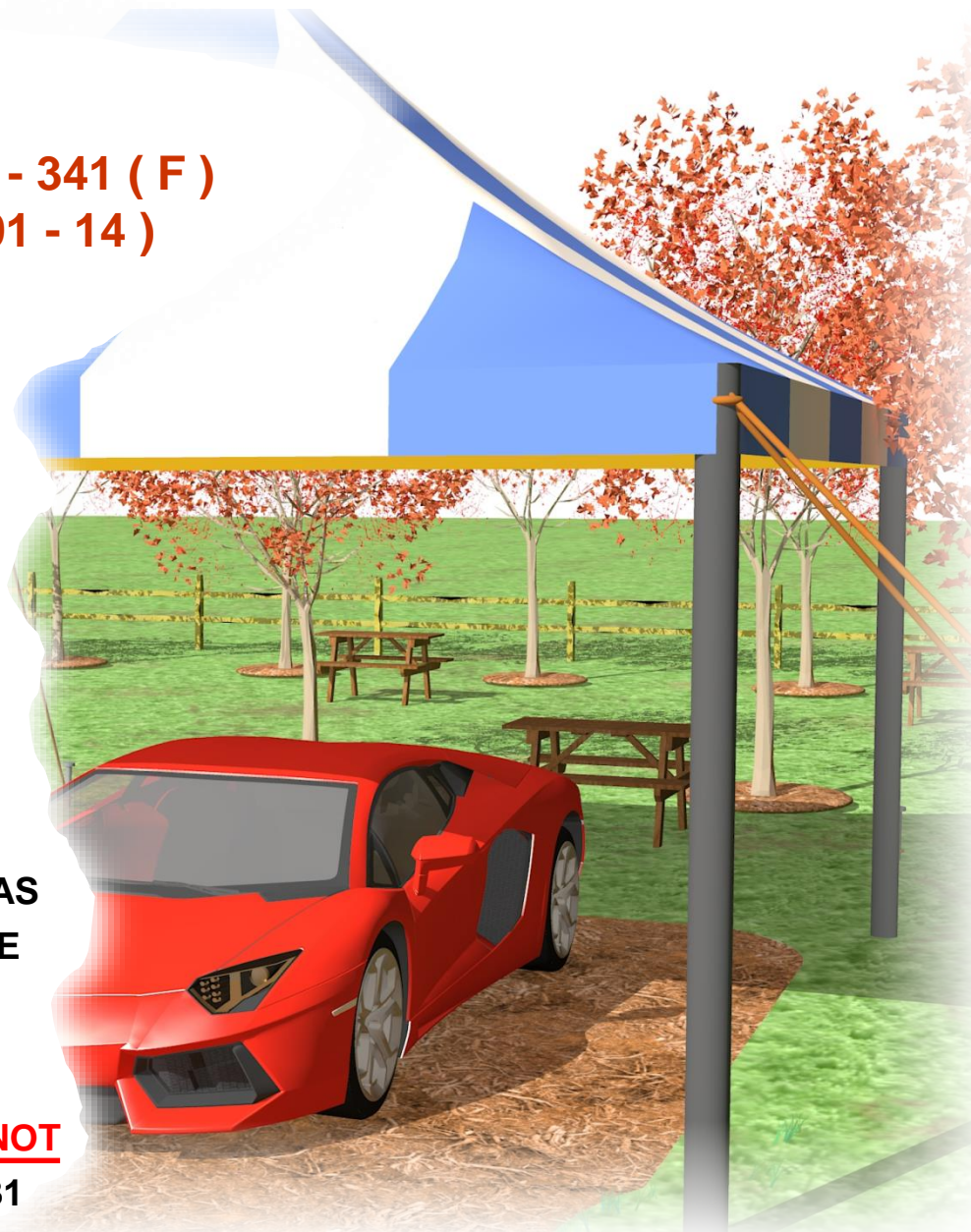
- THIS SCENARIO IS A “SCOPE” TENT; 400 SQ. FT. OR LESS
- WITH MERCHANDISE DISPLAY INSIDE THE TENT
- DUE TO THE SIZE OF THIS TENT AND THE ACTIVITY INSIDE THE TENT
- THE *SCOPE* IS THE ONLY APPLICABLE CODE SECTION IN CH. 31



MERCHANDISE DISPLAY

**Amendment; LSA Doc. # 13 - 341 (F)
675 IAC 22 - 2.5 (eff. 12 - 01 - 14)**

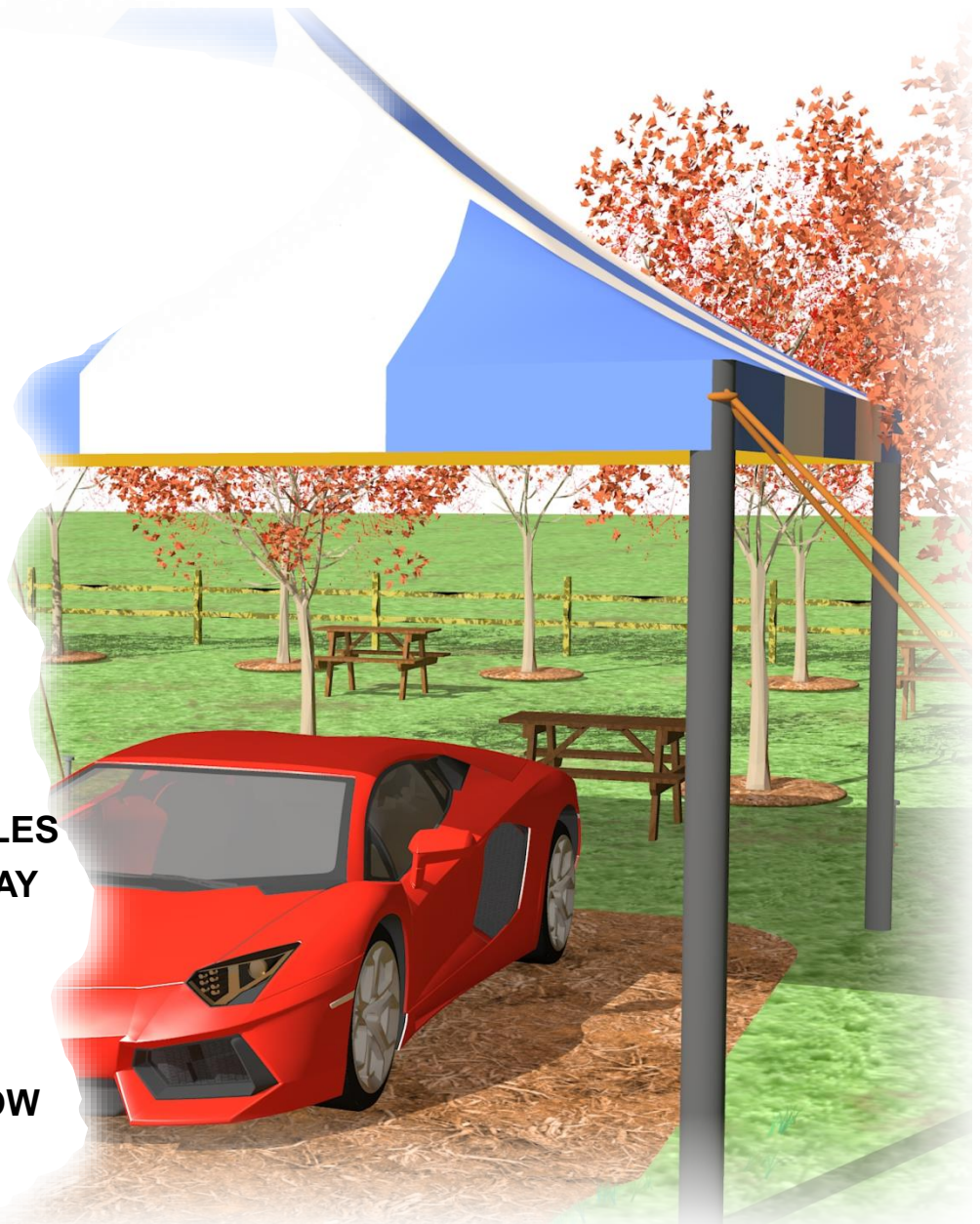
- **THE 3 CODE SECTIONS AMENDED
IN THE *SCOPE* ARE 3104.7,
3104.15.5 AND 3104.15.6**
- **THESE 3 CODE SECTIONS PERTAIN
TO OPEN OR EXPOSED FLAME
AND / OR COOKING**
- **THE ACTIVITY INSIDE THIS TENT HAS
NOTHING TO DO WITH OPEN FLAME
AND / OR COOKING, THEREFORE,**
- **DUE TO THE WAY THE *SCOPE* HAS
BEEN WRITTEN, THIS TENT DOES NOT
HAVE TO MEET ANYTHING IN CH. 31**



DISPLAY OF MOTOR VEHICLES

“Scope” Tents

- DUE TO THE *SCOPE*, THIS GAS – FUELED VEHICLE (CAR) DOES NOT HAVE TO MEET SEC. 3104.18
- THIS SLIDE PERTAINS TO ALL LIQUID – AND GAS – FUELED VEHICLES AND EQUIPMENT USED FOR DISPLAY
- THE INSTALLATION OF SIDEWALLS OR DROPS DOES NOT CHANGE HOW THIS SCENARIO IS HANDLED



np

SUMMARY: the following code sections govern this scenario

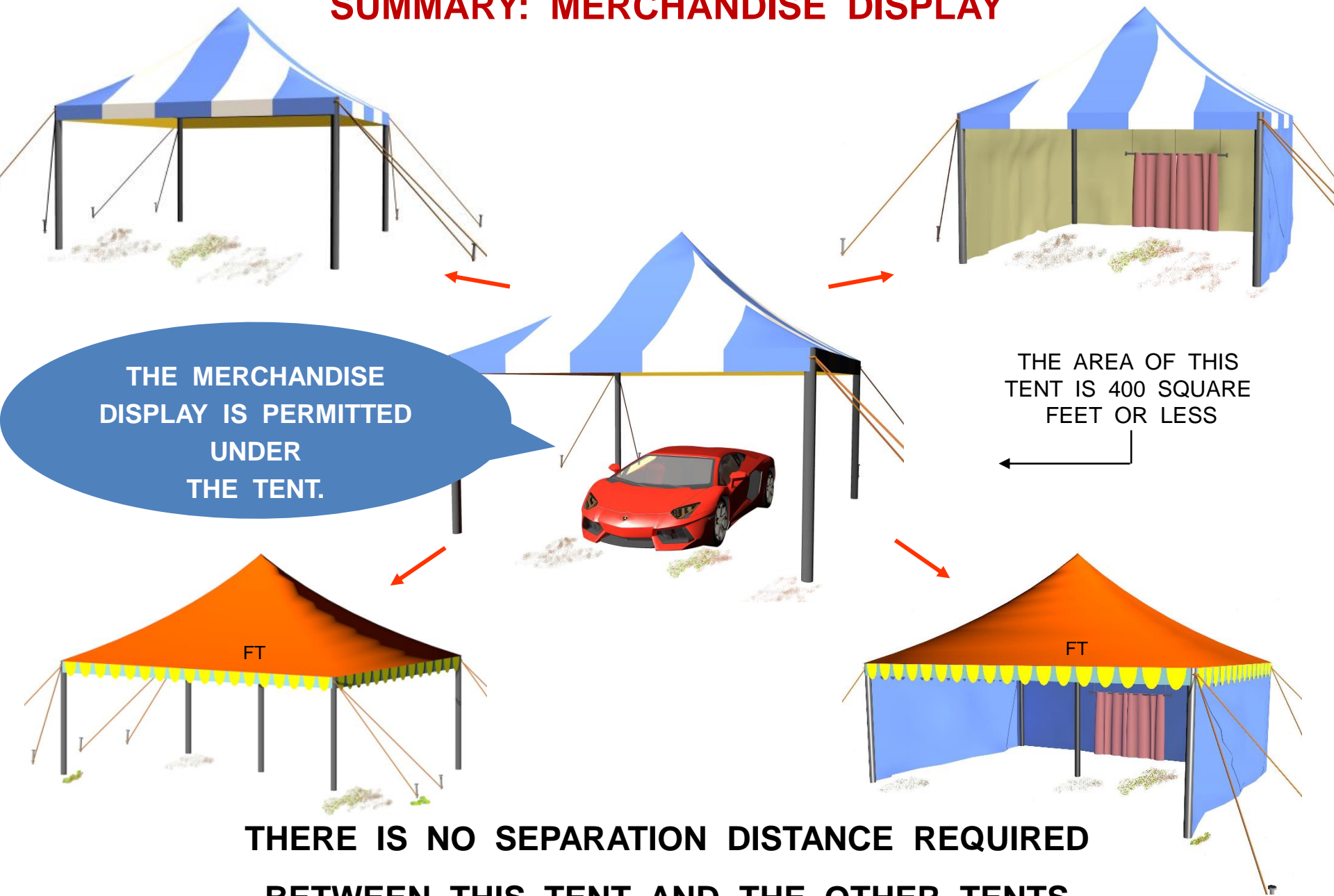
■ **Sec. 3101.1 – Scope**

THIS IS THE ONLY CODE
SECTION THAT APPLIES IN CH. 31.



MERCHANDISE DISPLAY
UNDER A “SCOPE” TENT

SUMMARY: MERCHANDISE DISPLAY





FT

DISPLAY OF MOTOR VEHICLES

“Regular” Tents

- THIS SCENARIO IS A “REGULAR” TENT; IN EXCESS OF 400 SQ. FT.
- WITH LIQUID – FUELED EQUIPMENT DISPLAYED INSIDE THE TENT
- DUE TO THE SIZE OF THIS TENT, ALL OF CHAPTER 31 IS APPLICABLE
- THEREFORE, SECTION 3104.18, *DISPLAY OF MOTOR VEHICLES*, APPLIES



DISPLAY OF MOTOR VEHICLES

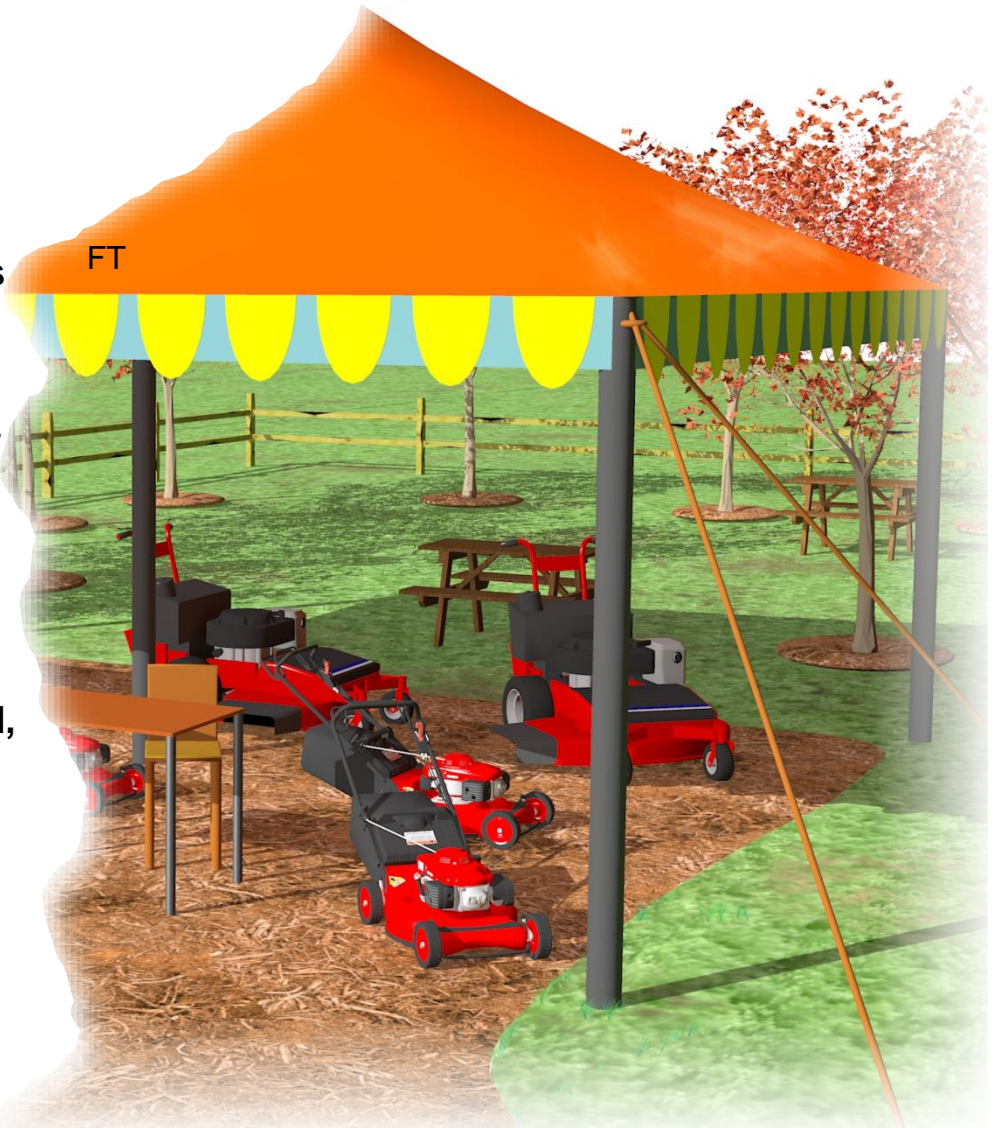
“Regular” Tents

- BATTERIES SHALL BE DIS – CONNECTED IN AN APPROPRIATE MANNER
- THIS EQUIPMENT SHALL NOT BE FUELED OR DEFUELED WITHIN THE TENT
- FUEL IN THE TANK SHALL NOT EXCEED $\frac{1}{4}$ OF THE TANK CAPACITY OR 5 GALLONS WHICHEVER IS LESS
- FUEL TANK OPENINGS SHALL BE LOCKED AND SEALED TO PREVENT THE ESCAPE OF VAPORS



“Regular” Tents

- There is another requirement for this equipment found in Sec. 3104 which might apply. It is Sec. 3104.17.1, *Use; Flammable – liquid – fueled equipment shall not be used in tents or membrane structures*. It is ok to display these lawnmowers under the tent but the lawnmowers can't be used. Once this equipment is started, i.e., used, a violation of Sec. 3104.17.1 has been created. The prohibition of using this equipment is based upon the possibility of fuel leaks and the risk of exhaust fumes.



LOCATION

**Amendment; LSA Doc. # 13 - 341 (F)
675 IAC 22 - 2.5 (eff. 12 - 01 - 14)**

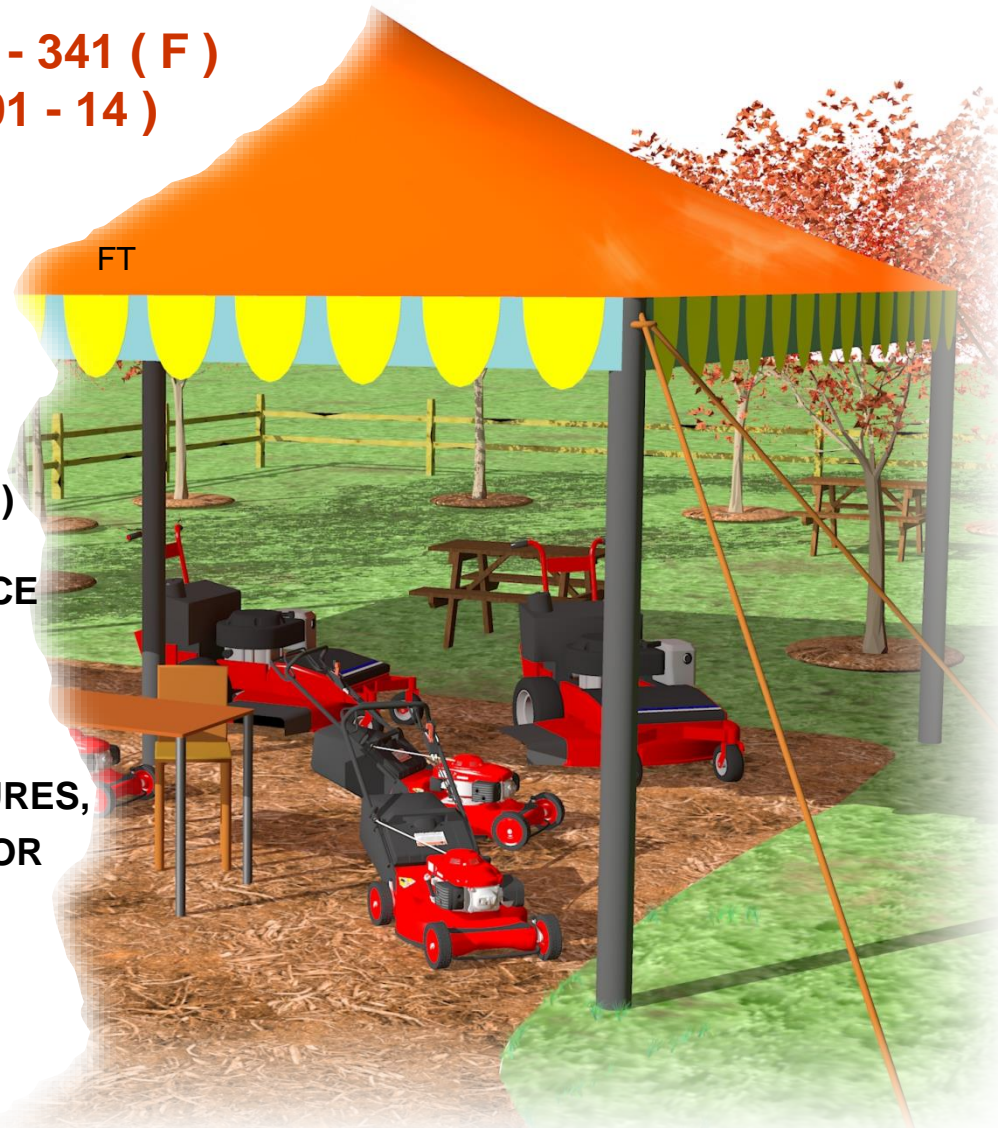
- **BECAUSE THIS IS A “REGULAR” TENT, THERE IS ONE MORE CODE SECTION TO STUDY**
- **SEC. 3103.8.2, EXCEPTION 1, *LOCATION*, IS APPLICABLE TO THIS TENT**
- **AS LONG AS THE FLOOR AREA OF THIS TENT DOES NOT EXCEED 15,000 SQUARE FEET, AND**



LOCATION

**Amendment; LSA Doc. # 13 - 341 (F)
675 IAC 22 - 2.5 (eff. 12 - 01 - 14)**

- **AS LONG AS “OPEN OR EXPOSED FLAME” EQUIPMENT IS NOT USED (IN THIS SCENARIO THAT IS TRUE)**
- **THERE IS NO SEPARATION DISTANCE BETWEEN THIS TENT AND LOT LINES, BUILDINGS,**
- **OTHER TEMP MEMBRANE STRUCTURES, OTHER TENTS, PARKED VEHICLES OR INTERNAL COMBUSTION ENGINES**



SUMMARY: the following code sections govern this scenario

■ **Sec. 3101.1 – Scope**

■ **Sec. 3103.8.2, Excp. 1 – Location**

→ Applicable to this scenario.

■ **Sec. 3104.18 – Display of motor vehicles**

- Batteries Fuel
- Quantity Limit Inspection Closure
- All applicable to this scenario.

■ **Sec. 3104.18.3 – Location**

→ Applicable to this scenario.

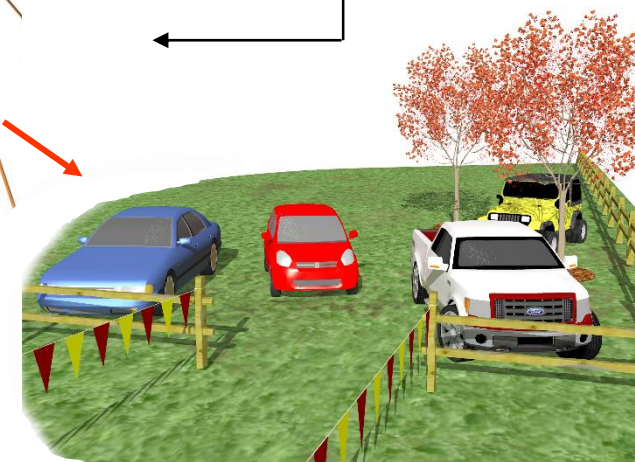


DISPLAY OF GAS - FUELED EQUIPMENT
UNDER A "REGULAR" TENT

A 3D rendering of a small, white, single-story church with a brown tiled roof and a tall bell tower. The church has arched windows and a cross on the tower. It is surrounded by green grass, red trees, and a parking lot.



THE AREA OF THIS
TENT IS IN EXCESS OF 400
SQUARE FEET AND
DOES NOT EXCEED 15,000
SQUARE FEET



**THERE IS NO SEPARATION DISTANCE BETWEEN
THIS TENT AND THE OTHER ITEMS**



FT

COMPRESSED GAS CYLINDERS

“Regular” Tents

- THIS SCENARIO IS A “REGULAR” TENT; IN EXCESS OF 400 SQ. FT.
- WITH COMPRESSED GAS CYLINDERS INSIDE THE TENT
- THE COMPRESSED GAS CYLINDERS ARE OK IN THE TENT
- BECAUSE CH. 31 DOES NOT ADDRESS THIS TYPE OF EQUIPMENT



SECURING COMPRESSED GAS CYLINDERS

“Regular” Tents

- COMPRESSED GAS CONTAINERS, CYLINDERS AND TANKS SHALL BE SECURED TO PREVENT FALLING CAUSED BY CONTACT, VIBRATION ...
- ONE OF FOUR ACCEPTABLE METHODS IS TO SECURE THE CYLINDERS TO OR WITHIN A RACK, FRAMEWORK, CABINET OR SIMILAR ...



PROTECTIVE CAPS OR COLLARS

“Regular” Tents

- COMPRESSED GAS CONTAINERS, CYLINDERS AND TANKS DESIGNED FOR PROTECTIVE CAPS, COLLARS OR OTHER PROTECTIVE DEVICES
- SHALL HAVE THE CAPS OR DEVICES IN PLACE EXCEPT WHEN THE CONTAINERS, CYLINDERS OR TANKS ARE IN USE OR ARE BEING FILLED



UPRIGHT STORAGE OF COMPRESSED GASES

“Regular” Tents

- COMPRESSED GAS CONTAINERS, CYLINDERS AND TANKS, EXCEPT THOSE DESIGNED FOR USE IN A HORIZONTAL POSITION SHALL BE
- STORED IN AN UPRIGHT POSITION WITH THE VALVE END UP. AN UPRIGHT POSITION SHALL INCLUDE AN INCLINE OF 45 DEGREES



LOCATION

**Amendment; LSA Doc. # 13 - 341 (F)
675 IAC 22 - 2.5 (eff. 12 - 01 - 14)**

- **BECAUSE THIS IS A “REGULAR” TENT, THERE IS ONE MORE CODE SECTION TO STUDY**
- **SEC. 3103.8.2, EXCEPTION 1, *LOCATION*, IS APPLICABLE TO THIS TENT**
- **AS LONG AS THE FLOOR AREA OF THIS TENT DOES NOT EXCEED 15,000 SQUARE FEET, AND**



LOCATION

**Amendment; LSA Doc. # 13 - 341 (F)
675 IAC 22 - 2.5 (eff. 12 - 01 - 14)**

- **AS LONG AS “OPEN OR EXPOSED FLAME” EQUIPMENT IS NOT USED (IN THIS SCENARIO THAT IS TRUE)**
- **THERE IS NO SEPARATION DISTANCE BETWEEN THIS TENT AND LOT LINES, BUILDINGS,**
- **OTHER TEMP MEMBRANE STRUCTURES, OTHER TENTS, PARKED VEHICLES OR INTERNAL COMBUSTION ENGINES**



SUMMARY: the following code sections govern this scenario

■ **Sec. 3101.1 – Scope**

■ **Sec. 3103.8.2, Excp. 1 – Location**

└─> Applicable to this scenario.

■ **Ch. 53 – Compressed gases**

└─> Applicable to this scenario.



COMPRESSED GAS CYLINDERS
UNDER A "REGULAR" TENT

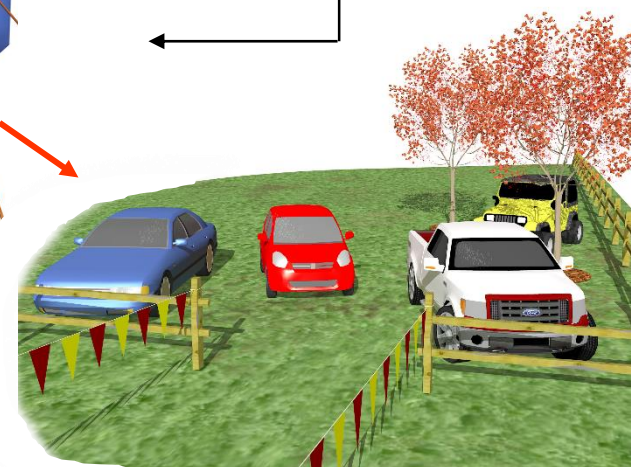
A 3D rendering of a small, white, single-story church with a brown tiled roof and a tall bell tower. The church has arched windows and a cross on the tower. It is surrounded by green grass, red trees, and a parking lot.



**THE BALLOONS AND
COMP GAS CYLINDERS
ARE PERMITTED
UNDER THE TENT.**



THE AREA OF THIS
TENT IS IN EXCESS OF 400
SQUARE FEET AND
DOES NOT EXCEED 15,000
SQUARE FEET



2014 Indiana Fire Code Effective 12-01-2014

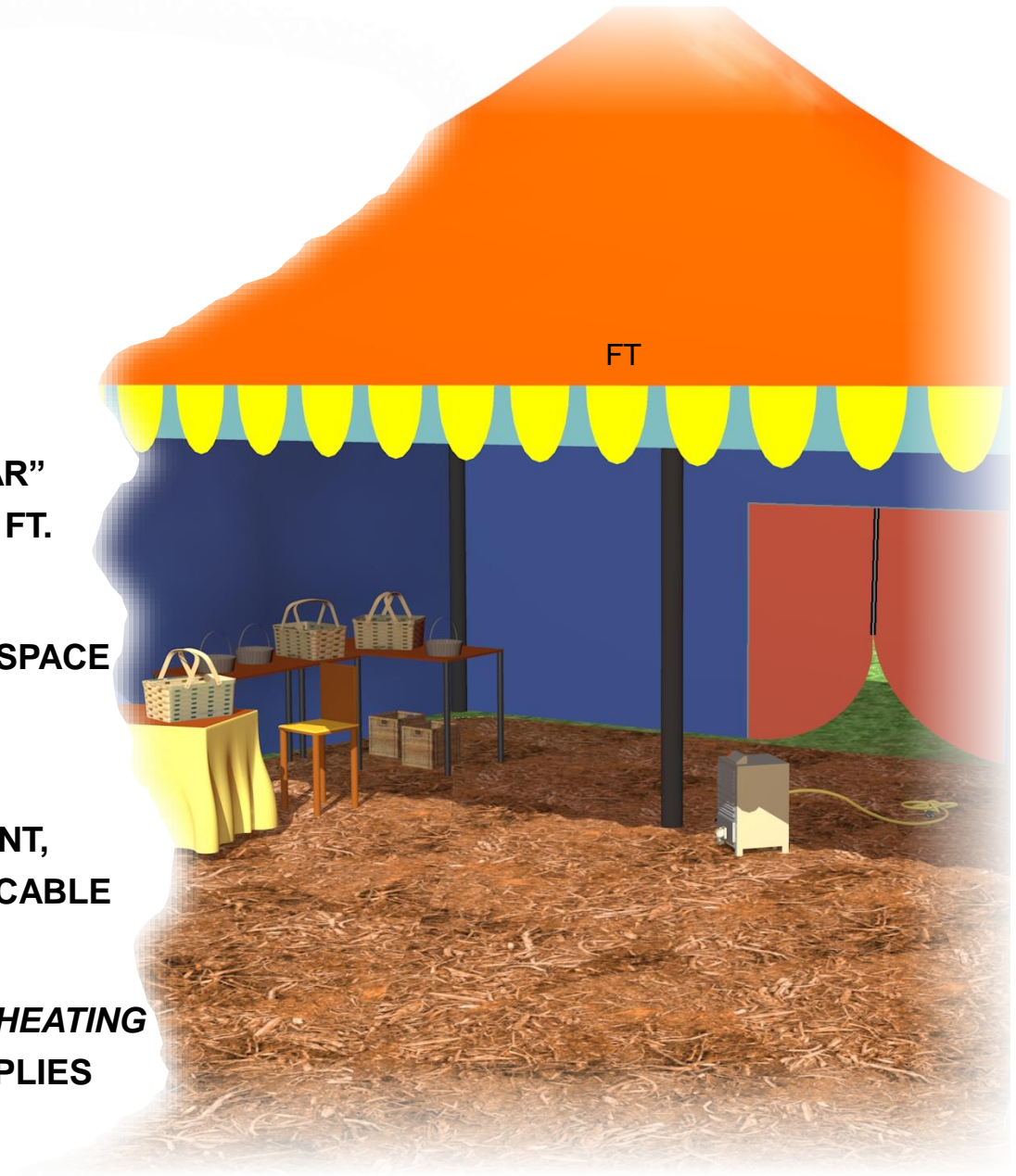
Sec. 3103.8.2, Excp. #1

Rev Web 7
01-01-2019

HEATING AND COOKING EQUIPMENT

“Regular” Tents

- THIS SCENARIO IS A “REGULAR” TENT; IN EXCESS OF 400 SQ. FT.
- WITH A PORTABLE, ELECTRIC SPACE HEATER INSIDE THE TENT
- DUE TO THE SIZE OF THIS TENT, ALL OF CHAPTER 31 IS APPLICABLE
- THEREFORE, SECTION 3104.15, *HEATING AND COOKING EQUIPMENT*, APPLIES

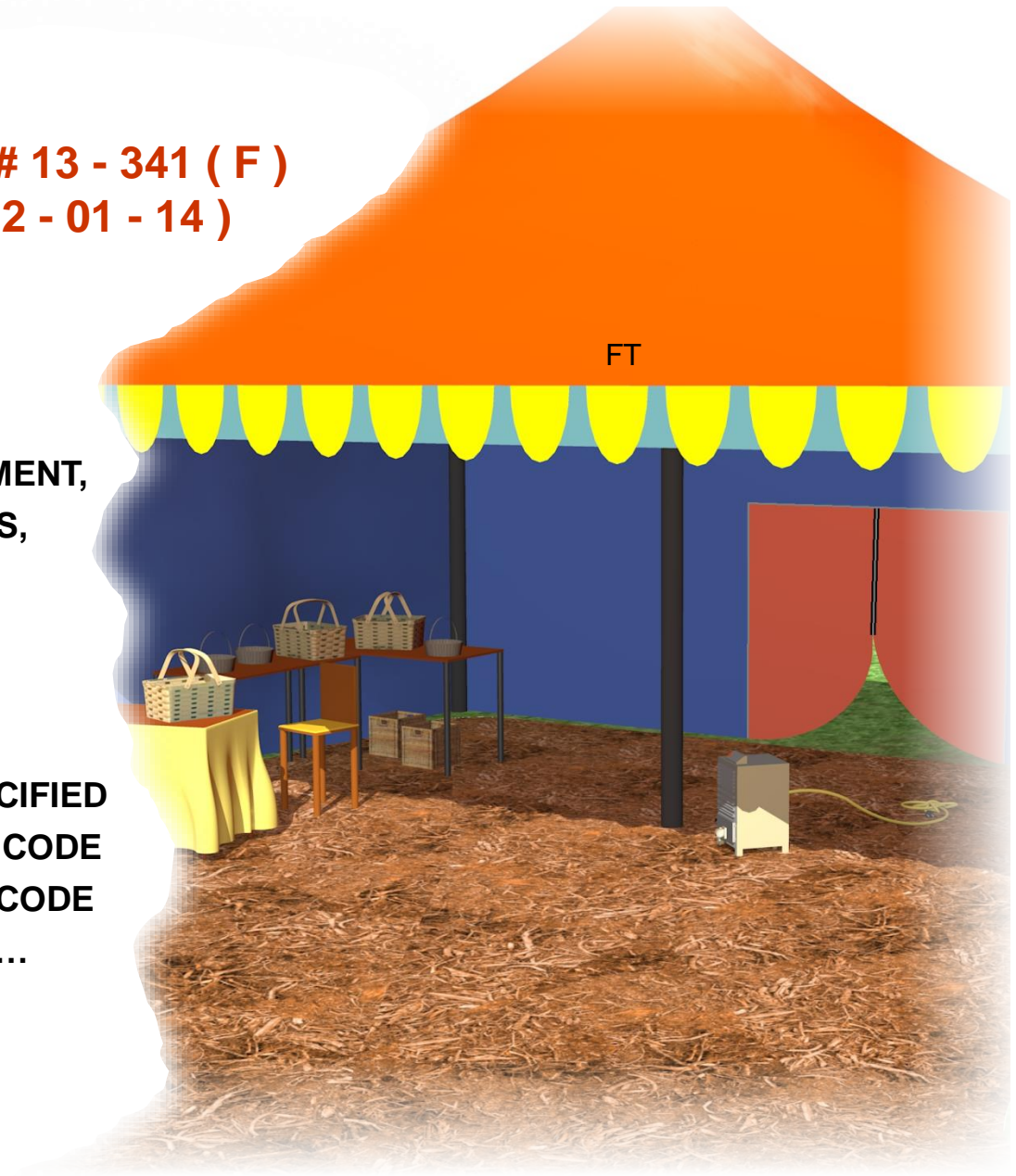


INSTALLATION

**Amendment; LSA Doc. # 13 - 341 (F)
675 IAC 22 - 2.5 (eff. 12 - 01 - 14)**

- **HEATING OR COOKING EQUIPMENT, TANKS, PIPING, HOSES, FITTINGS, VALVES, TUBING AND OTHER RELATED COMPONENTS**

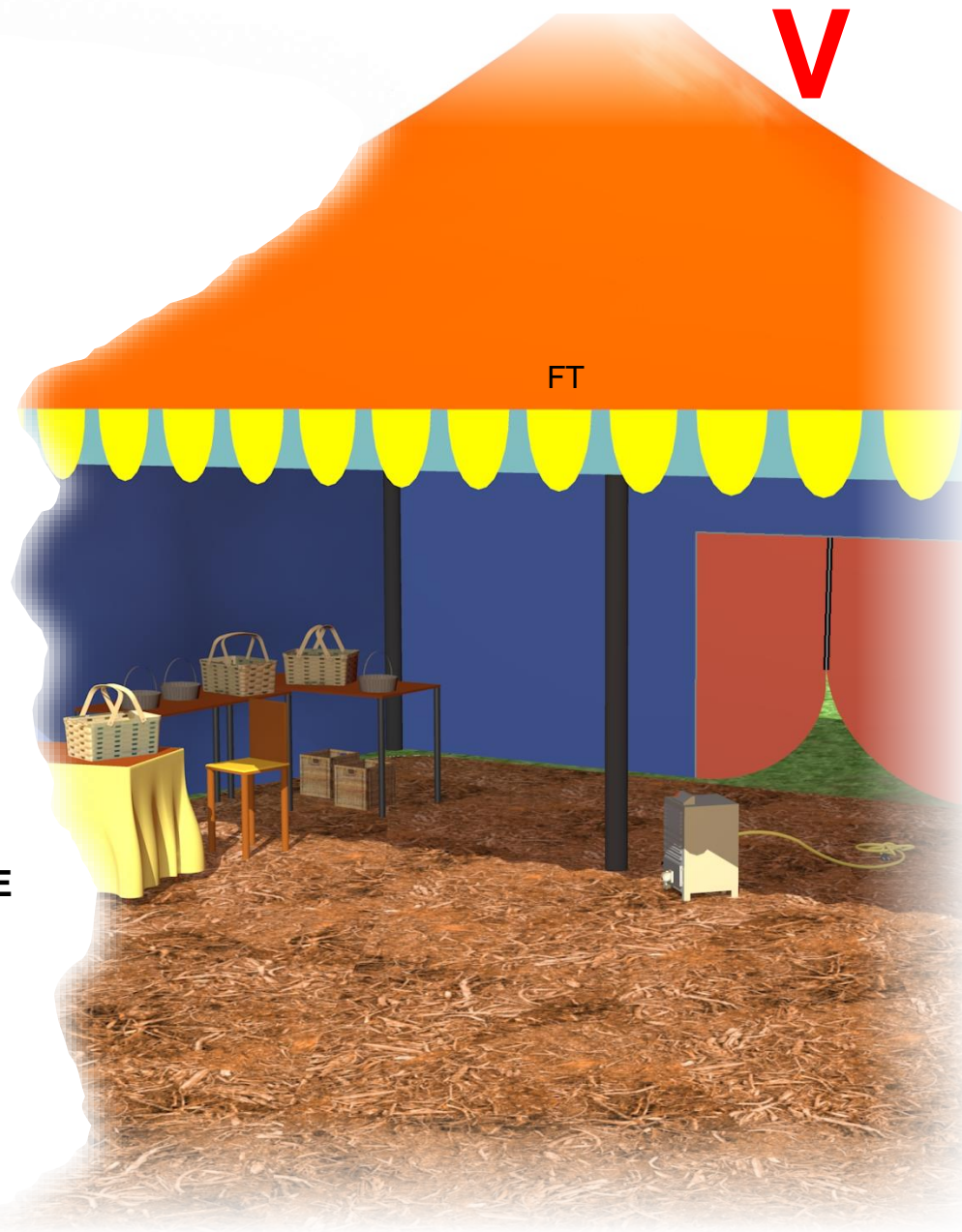
- **SHALL BE INSTALLED AS SPECIFIED IN THE INDIANA MECHANICAL CODE AND THE INDIANA FUEL GAS CODE IN EFFECT AT THE TIME THE ...**



LOCATION

“Regular” Tents

- COOKING AND HEATING EQUIPT SHALL NOT BE LOCATED WITHIN 10 FEET OF EXITS OR COMBUSTIBLE MATERIALS
- IN THIS CASE, CH. 31 IS MORE RESTRICTIVE THAN SEC. 605.10.4, *PROHIBITED AREAS*; THE DISTANCE IS ONLY 3 FEET IN THAT SECTION
- REFER TO THE NEXT SLIDE FOR MUCH MORE ON THIS 10 FOOT SEPARATION DISTANCE

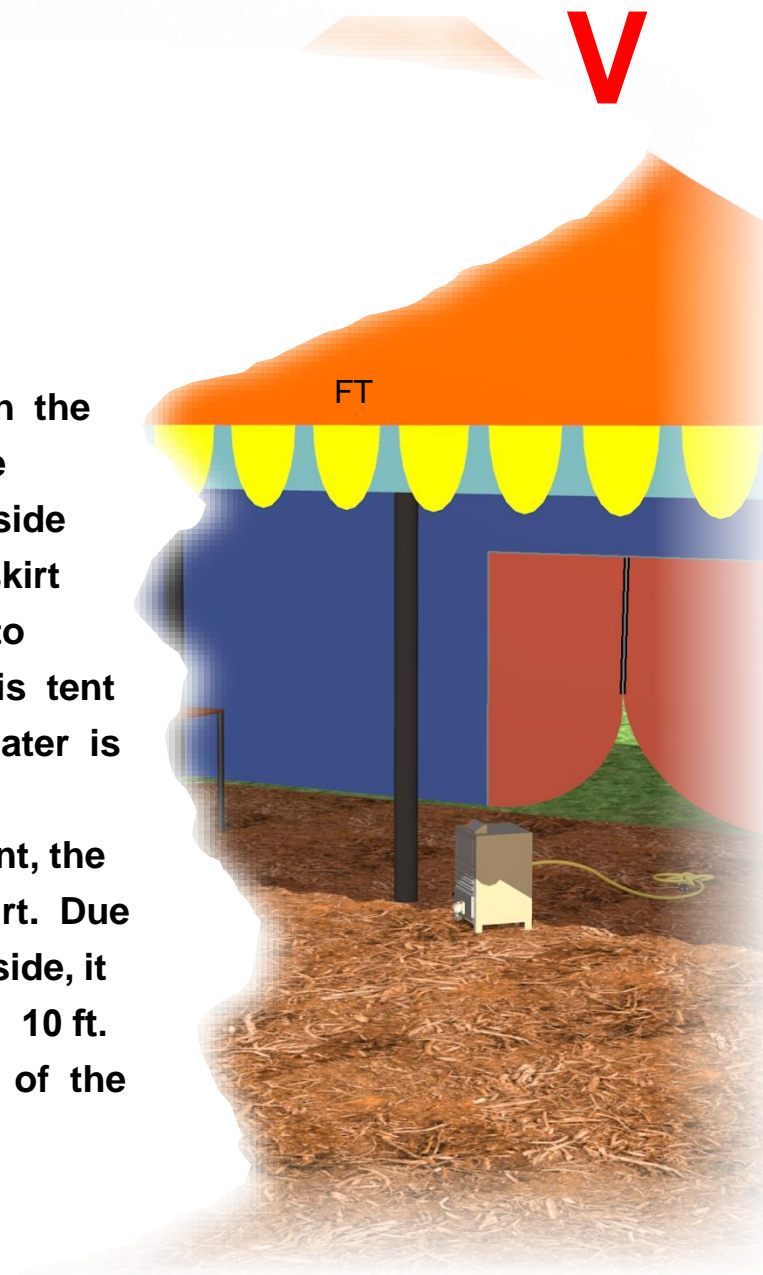


np

LOCATION

“Regular” Tents

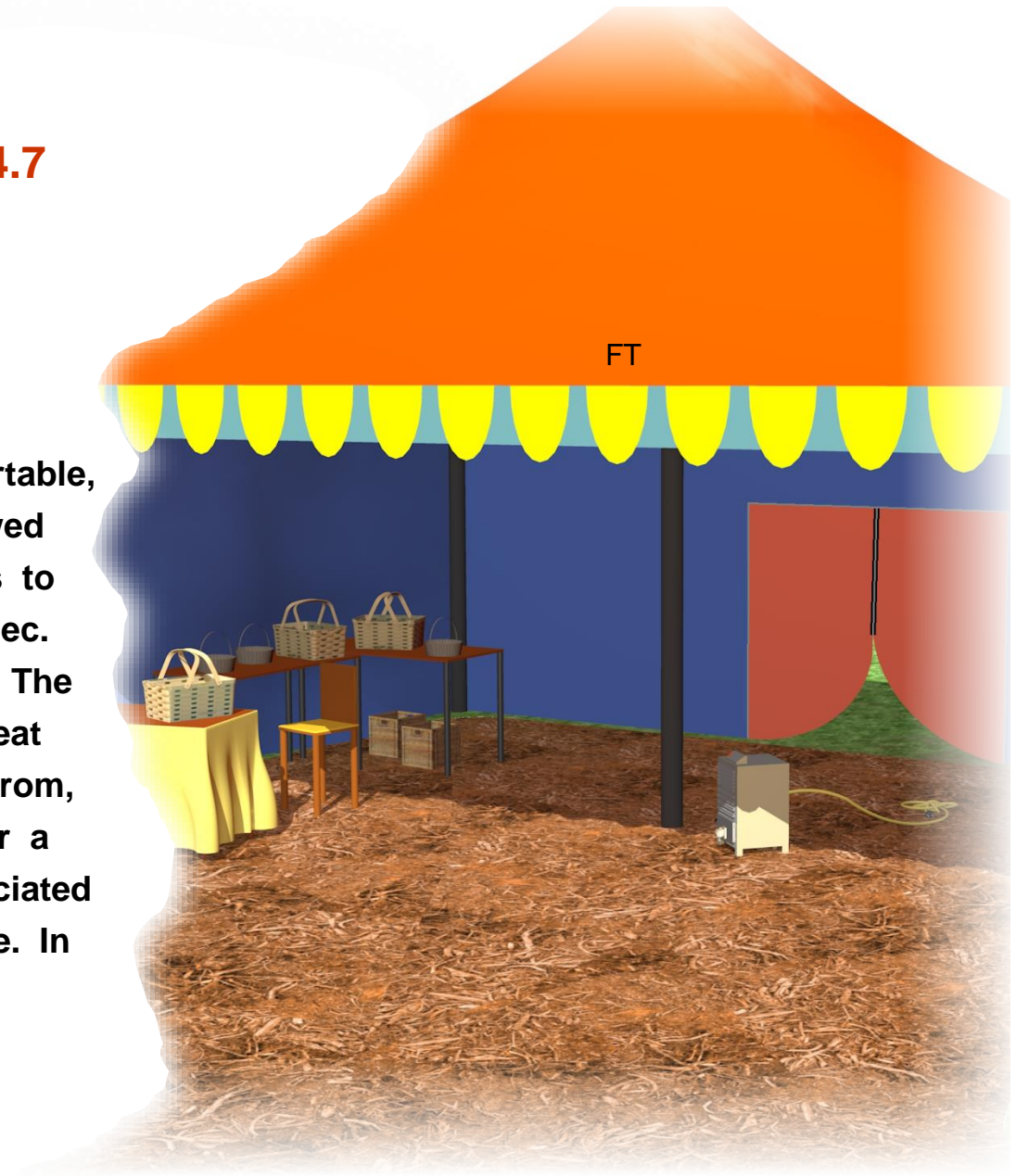
- This particular tent is 616 sq. ft., 22 ft. x 28 ft., with the 28 ft. being the width across the front. There are wooden tables and a chair pushed against the side wall and there is a wooden table with a cloth skirt placed in the front left corner. It is impossible to locate this piece of heating equipment inside this tent and meet Sec. 3104.15.3. The electrical space heater is ok inside the tent, but it has to be 10' from the following items: the rear exit, the walls of the tent, the wooden tables and chair and the cloth table skirt. Due to the dimensions of this tent and the items inside, it can't be done. As the tent increases in size, the 10 ft. separation becomes easier but the effectiveness of the space heater is then in question.



PORTABLE, ELECTRIC SPACE HEATERS

OSFM POLICY #2 – 3104.7

- In order to understand why portable, electric space heaters are allowed under a “regular” tent, one has to review the first few words of Sec. 3104.7, *Open or exposed flame*. The word heat is referring to the heat from the open flame, not heat from, for example, an electric skillet or a space heater. The heat is associated with the open or exposed flame. In this scenario, Sec. 3104.7 is not applicable.



PORTABLE, ELECTRIC SPACE HEATERS

“Regular” Tents

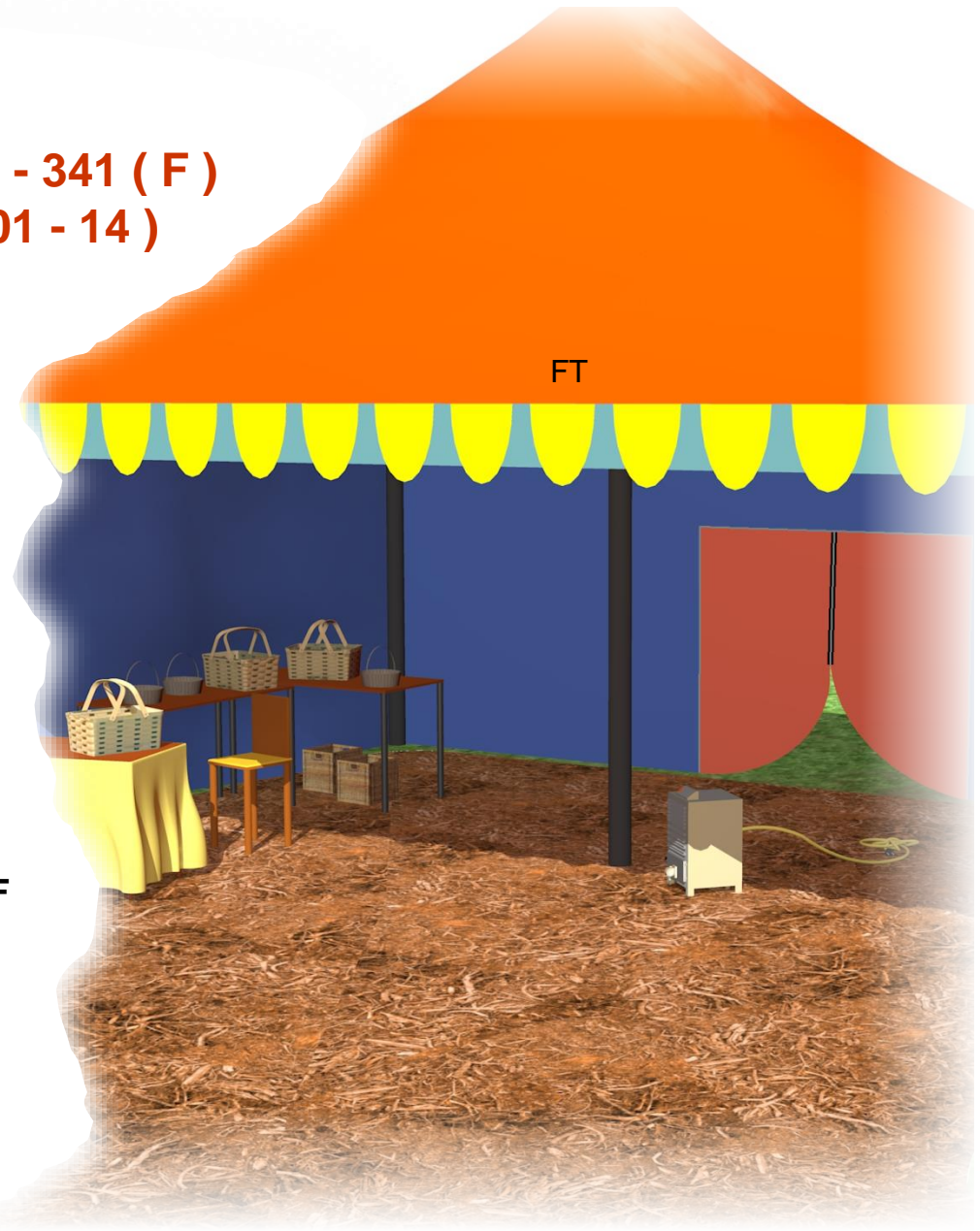
- ONLY LISTED AND LABELED PORTABLE, ... HEATERS SHALL BE USED
- PORTABLE, ... HEATERS SHALL BE PLUGGED DIRECTLY INTO AN APPROVED RECEPTACLE
- PORTABLE, ... HEATERS SHALL NOT BE PLUGGED INTO EXTENSION CORDS
- PROHIBITED AREAS – CH. 31 IS MORE RESTRICTIVE WITH THIS DISTANCE. IT IS 10 FEET IN SEC. 3104.15.3



LOCATION

Amendment; LSA Doc. # 13 - 341 (F)
675 IAC 22 - 2.5 (eff. 12 - 01 - 14)

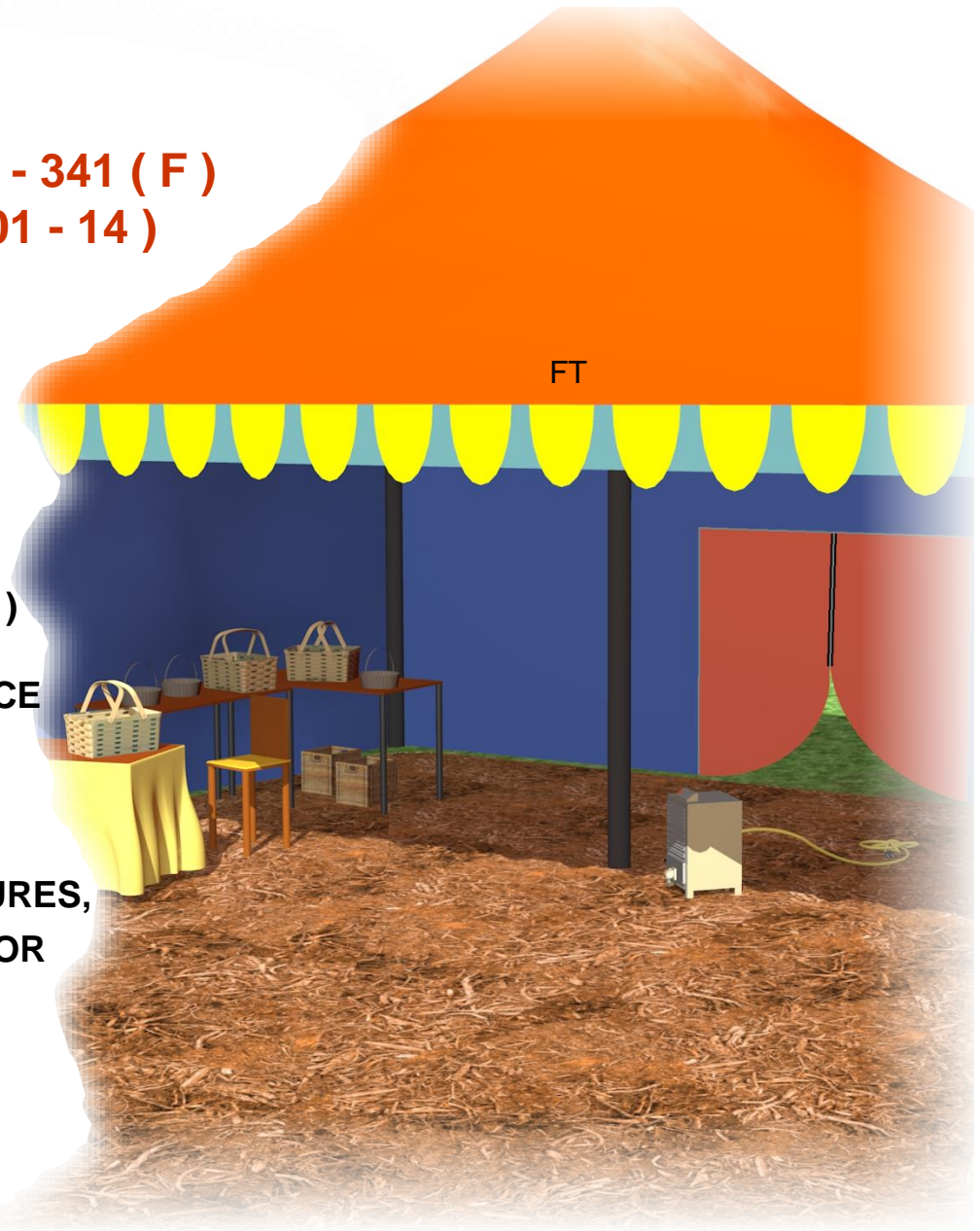
- BECAUSE THIS IS A “REGULAR” TENT, THERE IS ONE MORE CODE SECTION TO STUDY
- SEC. 3103.8.2, EXCEPTION 1, *LOCATION*, IS APPLICABLE TO THIS TENT
- AS LONG AS THE FLOOR AREA OF THIS TENT DOES NOT EXCEED 15,000 SQUARE FEET, AND



LOCATION

**Amendment; LSA Doc. # 13 - 341 (F)
675 IAC 22 - 2.5 (eff. 12 - 01 - 14)**

- **AS LONG AS “OPEN OR EXPOSED FLAME” EQUIPMENT IS NOT USED (IN THIS SCENARIO THAT IS TRUE)**
- **THERE IS NO SEPARATION DISTANCE BETWEEN THIS TENT AND LOT LINES, BUILDINGS,**
- **OTHER TEMP MEMBRANE STRUCTURES, OTHER TENTS, PARKED VEHICLES OR INTERNAL COMBUSTION ENGINES**



SUMMARY: the following code sections govern this scenario

■ **Sec. 3101.1 – Scope**

■ **Sec. 3103.8.2, Excp. 1 – Location**

→ Applicable to this scenario.

■ **Sec. 3104.15 – Heating and cooking equipment**

→ Installation Location

→ Electrical heating and cooking equipment

→ All applicable to this scenario.

■ **Sec. 605.10 – Portable, electric space heaters**

→ Applicable to this scenario.



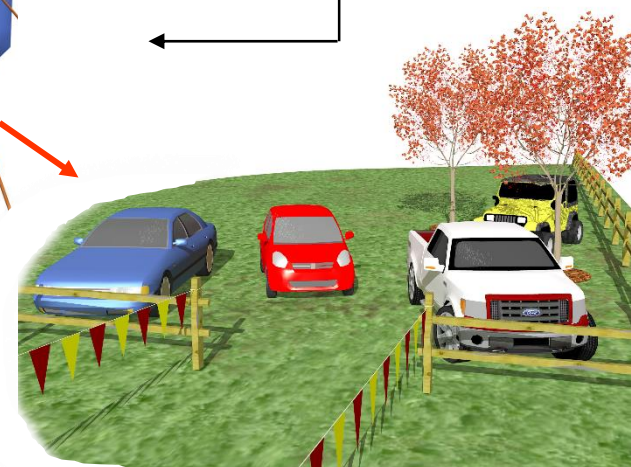
A PORTABLE, ELECTRIC SPACE HEATER
UNDER A “REGULAR” TENT

A 3D rendering of a small, white, single-story church with a brown tiled roof and a tall bell tower. The church has arched windows and a cross on the tower. It is surrounded by green grass, red trees, and a parking lot.



THE AREA OF THIS
TENT IS IN EXCESS OF 400
SQUARE FEET AND
DOES NOT EXCEED 15,000
SQUARE FEET

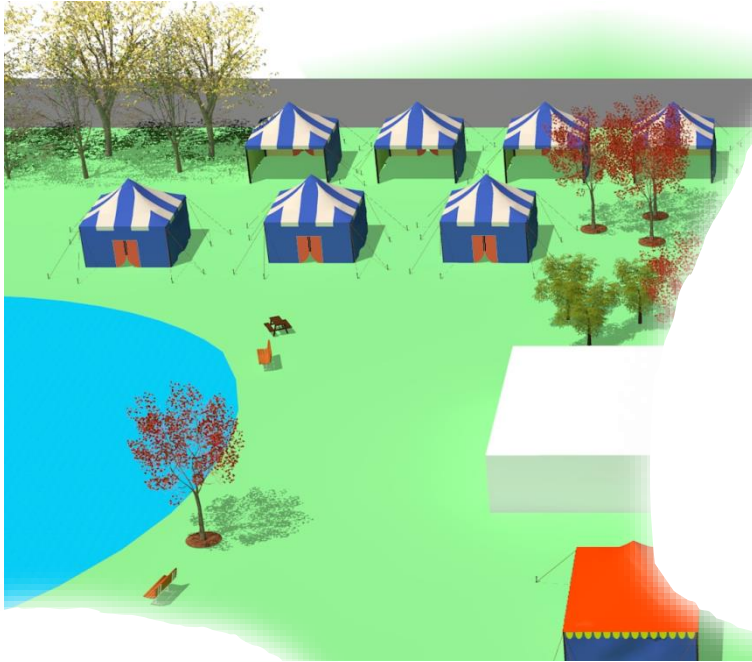
THE PORTABLE, ELECTRIC SPACE HEATER IS PERMITTED UNDER THE TENT.



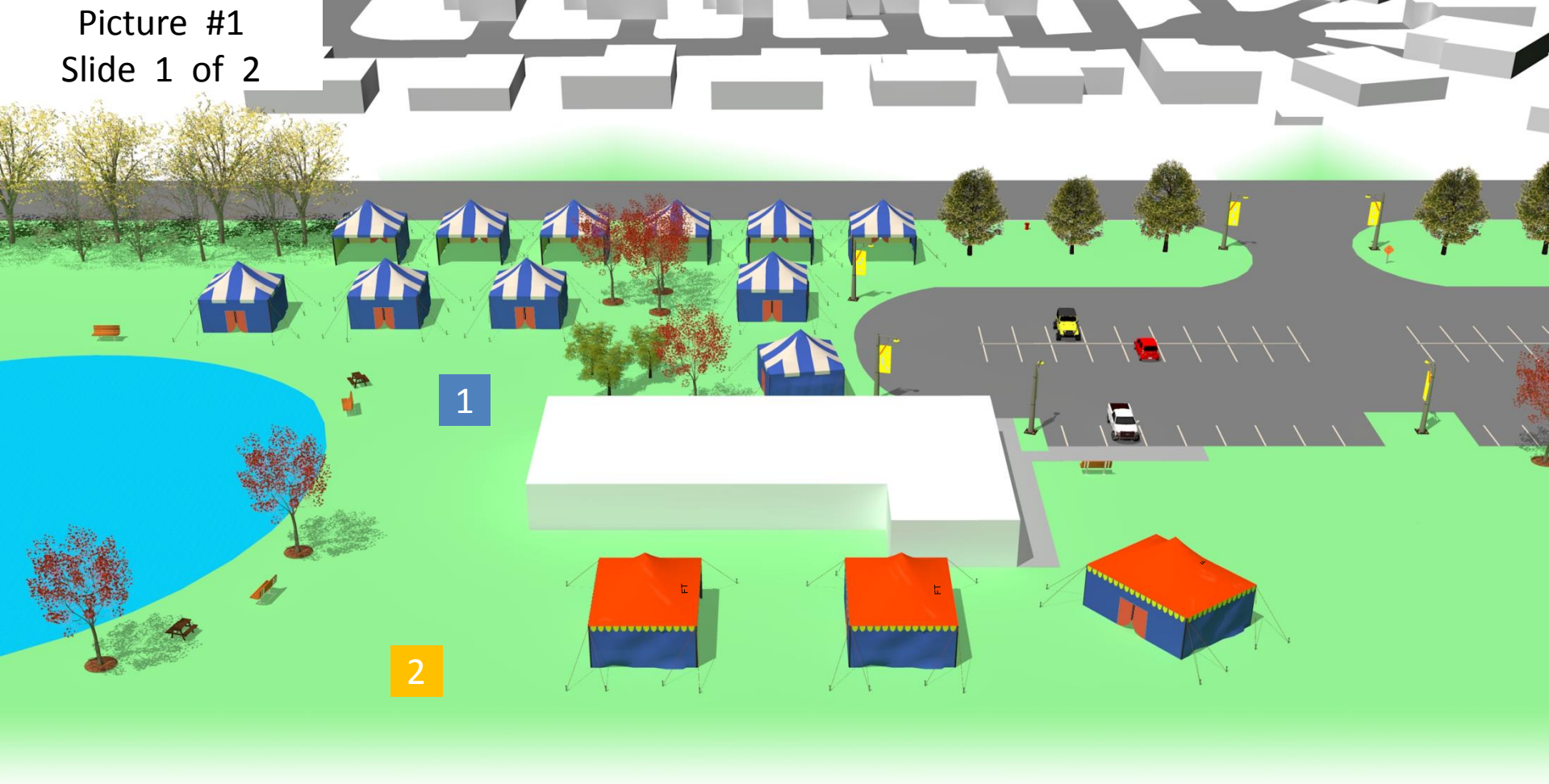
2014 Indiana Fire Code Effective 12-01-2014

Sec. 3103.8.2, Excp. #1

Rev Web 7
01-01-2019



PICTURE #1



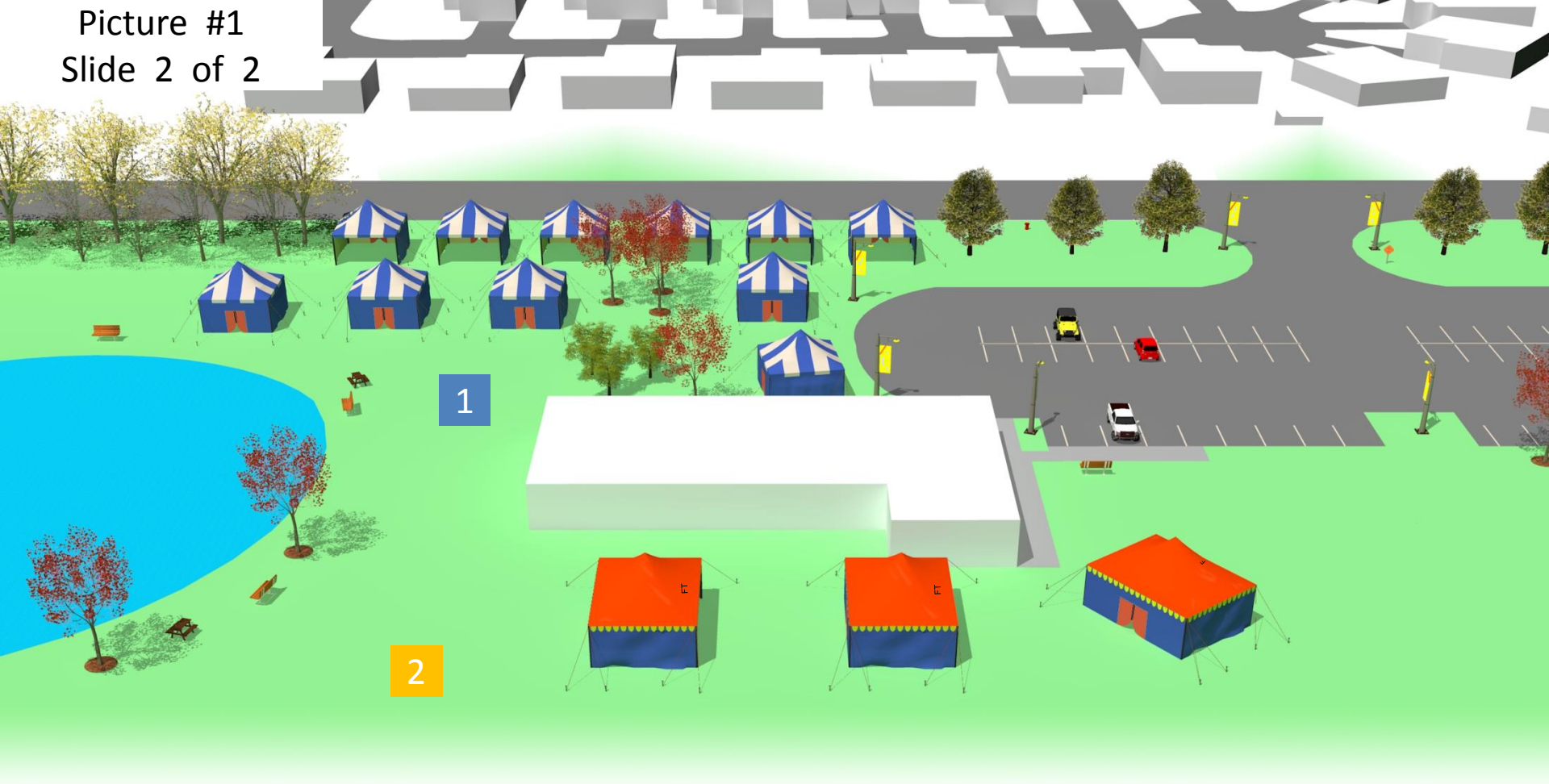
FITNESS TRAINING SITE 1 - McCordsville, Indiana

1

The tents in this area are all 400 sq. ft. or less. They are being used for the display of shoes, running attire, sunglasses, fitness electronics and course maps. There is no open or exposed flame and/or cooking associated with any of these tents. Therefore, due to the size and the activity inside, none of these tents have to meet Ch. 31.

What does this mean?

- 1) The tents may be located right next to each other. There is no separation distance required between them.
- 2) If a car parks in the curve of the parking lot, a tent may be placed next to it. There is no separation distance from parked vehicles.
- 3) A tent may be placed next to the main building. There is no separation distance from lot lines nor buildings.



FITNESS TRAINING SITE 1 - McCordsville, Indiana, con't.

2

The 3 tents in this area are all in excess of 400 sq. ft.; each one is 616 sq. ft. The tent on the left is being used for medical purposes, the one in the middle is administrative and the tent on the right is full of treadmills. There is no open or exposed flame and/or cooking associated with any of these tents. Section 3103.8.2, excp. #1 may be used. As long as the aggregate floor area of these 3 tents does not exceed 15,000 sq. ft. and as long as "open or exposed flame" equipment is not used, there is no separation distance between these 3 tents and lot lines, buildings, other tents, parked vehicles or internal combustion engines.

What does this mean?

- 1) The tents may be located right next to each other. There is no separation distance required between them.
- 2) The tents may be placed next to the main building. * Be aware, if the tent is attached to the building, there are more specific rules.



Chapter 31, 2014 Ed. Indiana Fire Code

Tents And Other Membrane Structures

Presented by the State Fire Marshal's Office

Division of Fire and Building Safety